

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073722.D
 Acq On : 27 Jun 2022 14:35
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/30/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 15:20:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 15:18:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	284768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	464151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	444975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	222042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	56319	16.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	33.480%#		
35) Dibromofluoromethane	7.908	113	57617	16.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	33.140%#		
50) Toluene-d8	10.332	98	202692	16.394	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	32.780%#		
62) 4-Bromofluorobenzene	12.620	95	82017	17.450	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	34.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	35513	13.109	ug/l	95
3) Chloromethane	2.209	50	29571	12.112	ug/l	96
4) Vinyl Chloride	2.344	62	32712	13.575	ug/l #	84
5) Bromomethane	2.744	94	25448	13.659	ug/l	93
6) Chloroethane	2.897	64	23615	14.420	ug/l	94
7) Trichlorofluoromethane	3.262	101	80685	14.164	ug/l	91
8) Diethyl Ether	3.697	74	21696	14.665	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.079	101	47860	14.515	ug/l	100
10) Methyl Iodide	4.291	142	40573	13.181	ug/l	96
11) Tert butyl alcohol	5.209	59	40692m	53.346	ug/l	
12) 1,1-Dichloroethene	4.056	96	40378	14.636	ug/l	97
13) Acrolein	3.915	56	19773	361.551	ug/l	99
14) Allyl chloride	4.709	41	60219	14.655	ug/l	97
15) Acrylonitrile	5.409	53	55350	77.000	ug/l	98
16) Acetone	4.144	43	45846	76.960	ug/l	94
17) Carbon Disulfide	4.397	76	76881	11.305	ug/l	98
18) Methyl Acetate	4.715	43	29113	15.596	ug/l	98
19) Methyl tert-butyl Ether	5.467	73	116430	15.728	ug/l	97
20) Methylene Chloride	4.956	84	76978	17.586	ug/l #	86
21) trans-1,2-Dichloroethene	5.467	96	46235	14.070	ug/l	93
22) Diisopropyl ether	6.356	45	148358	15.863	ug/l	97
23) Vinyl Acetate	6.297	43	383407	78.279	ug/l	98
24) 1,1-Dichloroethane	6.261	63	91319	14.799	ug/l	99
25) 2-Butanone	7.203	43	67647	78.599	ug/l	96
26) 2,2-Dichloropropane	7.203	77	87437	15.051	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	57782	14.806	ug/l	98
28) Bromochloromethane	7.532	49	33643	15.392	ug/l	98
29) Tetrahydrofuran	7.556	42	39194	74.764	ug/l	96
30) Chloroform	7.703	83	107792	15.436	ug/l	98
31) Cyclohexane	7.979	56	67407	13.617	ug/l #	90
32) 1,1,1-Trichloroethane	7.897	97	94999	15.210	ug/l	99
36) 1,1-Dichloropropene	8.103	75	68751	14.333	ug/l	97
37) Ethyl Acetate	7.279	43	31509	16.244	ug/l	98
38) Carbon Tetrachloride	8.091	117	82253	14.587	ug/l	95
39) Methylcyclohexane	9.350	83	68702	13.012	ug/l	94
40) Benzene	8.344	78	204989	14.700	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	16228	14.029	ug/l #	83
42) 1,2-Dichloroethane	8.414	62	64968	15.270	ug/l	100
43) Isopropyl Acetate	8.444	43	59065	15.624	ug/l	99
44) Trichloroethene	9.102	130	58690	14.639	ug/l	99
45) 1,2-Dichloropropane	9.379	63	54456	15.462	ug/l	92
46) Dibromomethane	9.467	93	31751	15.384	ug/l	94
47) Bromodichloromethane	9.650	83	82305	15.291	ug/l	92
48) Methyl methacrylate	9.450	41	26061	13.617	ug/l	87
49) 1,4-Dioxane	9.455	88	7952	342.705	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	160058	81.783	ug/l	98
52) Toluene	10.397	92	137412	14.971	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	75664	15.399	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	86983	15.613	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	44362	15.297	ug/l	98
56) Ethyl methacrylate	10.649	69	50639	15.343	ug/l	94
57) 1,3-Dichloropropane	10.932	76	73661	15.365	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	99491	78.143	ug/l	97
59) 2-Hexanone	10.973	43	106788	80.747	ug/l	99
60) Dibromochloromethane	11.132	129	60533	15.824	ug/l	96
61) 1,2-Dibromoethane	11.238	107	43348	15.766	ug/l	100
64) Tetrachloroethene	10.867	164	49244	14.729	ug/l	96
65) Chlorobenzene	11.661	112	158913	15.266	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	62963	14.991	ug/l	96
67) Ethyl Benzene	11.738	91	269250	14.873	ug/l	97
68) m/p-Xylenes	11.844	106	212556	30.398	ug/l	99
69) o-Xylene	12.167	106	98818	15.205	ug/l	99
70) Styrene	12.185	104	172176	15.107	ug/l	98
71) Bromoform	12.349	173	37655	16.305	ug/l #	99
73) Isopropylbenzene	12.467	105	269591	15.467	ug/l	100
74) N-amyl acetate	12.279	43	58511	16.185	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	55130	16.515	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	33144m	15.349	ug/l	
77) Bromobenzene	12.749	156	65746	15.633	ug/l	96
78) n-propylbenzene	12.808	91	341112	15.991	ug/l	99
79) 2-Chlorotoluene	12.896	91	197861	15.918	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	236829	15.833	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	16265	15.703	ug/l	96
82) 4-Chlorotoluene	12.991	91	210996	15.998	ug/l	99
83) tert-Butylbenzene	13.208	119	204503	15.619	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	237150	16.126	ug/l	100
85) sec-Butylbenzene	13.385	105	307820	15.871	ug/l	98
86) p-Isopropyltoluene	13.502	119	258231	15.973	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	139000	15.835	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	141716	16.351	ug/l	99
89) n-Butylbenzene	13.826	91	234788	15.558	ug/l	100
90) Hexachloroethane	14.096	117	52747	15.855	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	122139	16.142	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	9840	17.436	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	72980	16.130	ug/l	98
94) Hexachlorobutadiene	15.249	225	41470	16.148	ug/l	99
95) Naphthalene	15.379	128	128519	15.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	62476	15.735	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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